Author index

Acosta, M., Del Río, J.A., Arnao, M.B., Sánchez-Bravo, J., Sabater, F., García-Carmona, F. and García-Cánovas, F.
Oxygen consumption and enzyme inactivation in the indolyl-3-acetic acid oxidation catalyzed by peroxidase (955) 194

Albracht, S.P.J., Ankel-Fuchs, D., Böcher, R., Ellermann, J., Moll, J., Van der Zwaan, J.W. and Thauer, R.K.
Five new EPR signals assigned to nickel in methyl-coenzyme M reductase from *Methanobacterium thermoautotrophicum,* strain Marburg (955) 86

Alexander, J.W., see Amoscato, A.A. (955) 164

Alonso, M.J., De Arriaga, D. and Soler, J.
Carbamoyl-phosphate synthase in *Phycomyces blakesleeanus* (955) 175

Amoscato, A.A., Balasubramaniam, A., Alexander, J.W. and Babcock, G.F.
Degradation of thymopentin by human lymphocytes: evidence for aminopeptidase activity (955) 164

Anderson, B.M., see Yoon, H. (955) 10

Ankel-Fuchs, D., see Albracht, S.P.J. (955) 86

Anzenbacher, P., see Hudeček, J. (955) 361

Arnao, M.B., see Acosta, M. (955) 194

Babcock, G.F., see Amoscato, A.A. (955) 164

Balasubramaniam, A., see Amoscato, A.A. (955) 164

Barbón, P.G., see Valpuesta, J.M. (955) 371

Batt, R.M., see Hedeager Sørensen, S. (955) 275

Bayley, P.M., see Favilla, R. (955) 321

Betts, G.F., see Levy, L.M. (955) 236

Bhargava, M.M. and Dasgupta, A.
Binding of sulfobromophthalein to rat and human ligandins: characterization of a binding-site peptide (955) 296

Blanke, S., Johnsen, A., Wimberley, P.D. and Mortensen, H.B.
Hemoglobin Hafnia: $\alpha_2(\beta 116\ (G18)\ His \rightarrow Gln)_2$; a new hemoglobin variant mistaken for glycated hemoglobin (955) 214

Böcher, R., see Albracht, S.P.J. (955) 86

Caracelli, I., Meirelles, N.C., Tabak, M., Filho, O.B. and Nascimento, O.R.
An ESR study of nitrosyl-*Aplysia brasiliana* myoglobin and nitrosyl annelidae *Glossoscolex paulistus* erythrocruorin (955) 315

Chang, G.-G., see Lee, H.-J. (955) 119

Chang, W.-P., see Chiou, S.-H. (955) 1

Chen, Y.-H., see Lee, H.-J. (955) 119

Chiou, S.-H., Chang, W.-P. and Lo, C.-H.
Biochemical comparison of lens crystallins from three reptilian species (955) 1

Dahlin, S., see Feiters, M.C. (955) 250

Dasgupta, A., see Bhargava, M.M. (955) 296

De Arriaga, D., see Alonso, M.J. (955) 175

Deinum, J., see Fridén, B. (955) 135

Dekker, H.L., see Hoogland, H. (955) 337

Del Río, J.A., see Acosta, M. (955) 194

Demchenko, A.P. and Ladokhin, A.S.
Temperature-dependent shift of fluorescence spectra without conformational changes in protein; studies of dipole relaxation in the melittin molecule (955) 352

Dive, V., see Dufour, E. (955) 58

Dockray, G.J., see Watkinson, A. (955) 231

Donkai, N., see Kajiwara, K. (955) 128

Dufour, E., Dive, V. and Toma, F.
Delineation of chicken cathepsin L secondary structure; relationship between pH dependence activity and helix content (955) 58

Dumas, J., see Tong, N.T. (955) 43

Ellermann, J., see Albracht, S.P.J. (955) 86

Elzinga, P.A., see Havel, H.A. (955) 154

Everett, G.W., see Osei, A.A. (955) 269

Favilla, R., Martin, S.R. and Bayley, P.M.
Fluorescence stopped-flow studies on the binding of $1,N^6$-etheno-NAD to bovine liver glutamate dehydrogenase (955) 321

Feiters, M.C., Dahlin, S. and Reinhammar, B.
The metal site of stellacyanin: EXAFS studies of the Cu(II), Cu(I), Ni(II) and Co(II) derivatives (955) 250

Filho, O.B., see Caracelli, I. (955) 315

Fridén, B., Nordh, J., Wallin, M., Deinum, J. and Nordén, B.
Effects of proteolysis of the extending parts of the high-molecular-weight microtubule-associated proteins on interactions between microtubules (955) 135

Gafni, A., see Zúñiga, A. (955) 50

García-Cánovas, F., see Acosta, M. (955) 194

García-Carmona, F., see Acosta, M. (955) 194

Garnier, J., see Levin, J.M. (955) 283

Gendry, P. and Launay, J.-F.
Purification and characterization of a trypsin-like protein from rat pancreas (955) 243

Giovannini, E., see Talesa, V. (955) 103

Gregory, H., see Watkinson, A. (955) 231

Havel, H.A., Kauffman, E.W. and Elzinga, P.A.
Fluorescence quenching studies of bovine growth hormone in several conformational states (955) 154

Hedeager Sørensen, S., Riley, J.E., Lobley, R.W., Pemberton, P.W., Williams, D.A. and Batt, R.M.
Investigation of the physical properties of dog intestinal microvillar membrane proteins by polyacrylamide gel electrophoresis: a comparison between normal dogs and dogs with exocrine pancreatic insufficiency (955) 275

Himes, R.H., see Osei, A.A. (955) 269
Hiragi, Y., see Kajiwara, K. (955) 128
Hoggett, J.G., see Woolfitt, A.R. (955) 346
Hong, Y.-m., see Molla, A. (955) 77
Hoogland, H., Dekker, H.L., Van Riel, C., Van Kuilenburg, A., Muijsers, A.O. and Wever, R.
A steady-state study on the formation of Compounds II and III of myeloperoxidase (955) 337
Horowitz, P., see Tandon, S. (955) 19
Hrazdina, G.
Purification and properties of a UDPglucose:flavonoid 3-*O*-glucosyltransferase from *Hippeastrum* petals (955) 301
Hudeček, J. and Anzenbacher, P.
Secondary structure prediction of liver microsomal cytochrome *P*-450; proposed model of spatial arrangement in a membrane (955) 361

Inami, M., see Takegawa, K. (955) 187
Itano, H.A., see Ozaki, H. (955) 220

Johnsen, A., see Blanke, S. (955) 214

Kajiwara, K., Niki, R., Urakawa, H., Hiragi, Y., Donkai, N. and Nagura, M.
Micellar structure of β-casein observed by small-angle X-ray scattering (955) 128
Kauffman, E.W., see Havel, H.A. (955) 154
Keil-Dlouha, V., see Tong, N.T. (955) 43
Kellett, G.L., see Woolfitt, A.R. (955) 346
Kinuta, M., see Ozaki, H. (955) 220
Koivusalo, M., see Talesa, V. (955) 103
Kumagai, H., see Takegawa, K. (955) 187

Ladokhin, A.S., see Demchenko, A.P. (955) 352
Launay, J.-F., see Gendry, P. (955) 243
Lee, H.-J., Chen, Y.-H. and Chang, G.-G.
Fluorescence studies on the dissociation and denaturation of pigeon liver malic enzyme (955) 119
Levin, J.M. and Garnier, J.
Improvements in a secondary structure prediction method based on a search for local sequence homologies and its use as a model building tool (955) 283
Levy, L.M. and Betts, G.F.
Interaction of NADPH and triazine dyes with ferredoxin–$NADP^+$ oxidoreductase (955) 236
Lo, C.-H., see Chiou, S.-H. (955) 1
Lobley, R.W., see Hedeager Sørensen, S. (955) 275

Maeda, H., see Molla, A. (955) 77
Martin, S.R., see Favilla, R. (955) 321
Matteson, J.L., see Ozaki, H. (955) 220
Meirelles, N.C., see Caracelli, I. (955) 315
Mikami, B., see Takegawa, K. (955) 187
Moll, J., see Albracht, S.P.J. (955) 86
Molla, A., Tanase, S., Hong, Y.-m. and Maeda, H.
Interdomain cleavage of plasma fibronectin by zinc-metalloproteinase from *Serratia marcescens* (955) 77
Morita, Y., see Takegawa, K. (955) 187
Mortensen, H.B., see Blanke, S. (955) 214
Muijsers, A.O., see Hoogland, H. (955) 337

Nagura, M., see Kajiwara, K. (955) 128
Nascimento, O.R., see Caracelli, I. (955) 315
Niki, R., see Kajiwara, K. (955) 128
Nordén, B., see Fridén, B. (955) 135
Nordh, J., see Fridén, B. (955) 135

Osei, A.A., Everett, G.W. and Himes, R.H.
GTP hydrolysis by tubulin occurs with water oxygen incorporation into inorganic phosphate (955) 269
Österlund, E.
The secondary structure of human plasma fibronectin: conformational changes induced by acidic pH and elevated temperatures; a circular dichroic study (955) 330
Ozaki, H., Kinuta, M., Matteson, J.L. and Itano, H.A.
Bonding of nitrosobenzene and phenyl isocyanide to chelated mesoheme, hemoglobin and ferrous phthalocyanine (955) 220

Pemberton, P.W., see Hedeager Sørensen, S. (955) 275
Principato, G., see Talesa, V. (955) 103

Reinhammar, B., see Feiters, M.C. (955) 250
Riley, J.E., see Hedeager Sørensen, S. (955) 275
Rosi, G., see Talesa, V. (955) 103
Rothman, R.J. and Warren, L.
Analysis of IgG glycopeptides by alkaline borate gel filtration chromatography (955) 143

Sabater, F., see Acosta, M. (955) 194
Sanches, R.
Dehydration effects on the heme environment of nitric oxide hemoglobin (955) 310
Sánchez-Bravo, J., see Acosta, M. (955) 194
Singh, A.K. and Sonar, S.M.
Chemical modification of bacteriorhodopsin by fluorescamine (955) 261
Smith, K. and Sundaram, T.K.
Stability and immunological cross-reactivity of malate dehydrogenases from mesophilic and thermophilic sources (955) 203
Soler, J., see Alonso, M.J. (955) 175
Sonar, S.M., see Singh, A.K. (955) 261
Sumi, H. and Ulstrup, J.
Dynamics of protein conformational fluctuation in enzyme catalysis with special attention to proton transfers in serine proteinases (955) 26
Sundaram, T.K., see Smith, K. (955) 203

Tabak, M., see Caracelli, I. (955) 315
Takegawa, K., Inami, M., Yamamoto, K., Kumagai, H., Tochikura, T., Mikami, B. and Morita, Y.
Elucidation of the role of sugar chains in glucoamylase using endo-β-*N*-acetylglucosaminidase from *Flavobacterium* sp. (955) 187

Talesa, V., Uotila, L., Koivusalo, M., Principato, G., Giovannini, E. and Rosi, G.
Demonstration of glyoxalase II in rat liver mitochondria. Partial purification and occurrence in multiple forms (955) 103
Tanase, S., see Molla, A. (955) 77
Tandon, S. and Horowitz, P.
The effects of lauryl maltoside on the reactivation of several enzymes after treatment with guanidinium chloride (955) 19
Thauer, R.K., see Albracht, S.P.J. (955) 86
Tochikura, T., see Takegawa, K. (955) 187
Toma, F., see Dufour, E. (955) 58
Tong, N.T., Dumas, J. and Keil-Dlouha, V.
New Achromobacter collagenase and its immunological relationship with a vertebrate collagenase (955) 43
Topham, C.M.
Half-time analysis of the kinetics of irreversible enzyme inhibition by an unstable site-specific reagent (955) 65

Ulstrup, J., see Sumi, H. (955) 26
Uotila, L., see Talesa, V. (955) 103
Urakawa, H., see Kajiwara, K. (955) 128

Valpuesta, J.M. and Barbón, P.G.
A Triton X-100-hydroxyapatite procedure for a rapid purification of bovine heart cytochrome-*c* oxidase. Characterization of the cytochrome-*c* oxidase/Triton X-100/phospholipid mixed micelles by laser light scattering (955) 371
Van der Zwaan, J.W., see Albracht, S.P.J. (955) 86
Van Kuilenburg, A., see Hoogland, H. (955) 337
Van Riel, C., see Hoogland, H. (955) 337

Waley, S.G.
Integrated 2:2 and 3:3 rate equations of enzyme kinetics (955) 272
Wallin, M., see Fridén, B. (955) 135
Warren, L., see Rothman, R.J. (955) 143
Watkinson, A., Dockray, G.J., Young, J. and Gregory, H.
Characterisation of N-terminally extended met-enkephalin $Arg^6Gly^7Leu^8$ variants in the porcine upper digestive tract (955) 231
Wever, R., see Hoogland, H. (955) 337
Williams, D.A., see Hedeager Sørensen, S. (955) 275
Wimberley, P.D., see Blanke, S. (955) 214
Woolfitt, A.R., Kellett, G.L. and Hoggett, J.G.
Synergistic binding of glucose and aluminium · ATP to hexokinase from *Saccharomyces cerevisiae* (955) 346

Yamamoto, K., see Takegawa, K. (955) 187
Yoon, H. and Anderson, B.M.
Kinetic studies of *Haemophilus influenzae* malate dehydrogenase (955) 10
Young, J., see Watkinson, A. (955) 231

Zeidan, H.M.
Interaction of spin-labeled tryptamine with monoamine oxidase: probing the microenvironment of the active site by spin probe–spin label techniques (955) 111
Zúñiga, A. and Gafni, A.
Age-related modifications in rat cardiac phosphoglycerate kinase. Rejuvenation of the old enzyme by unfolding-refolding (955) 50